NDOR Standards Revision History

MicroStation

Design Script Files (March 2012)
In the last 6 months, the Design Script files for MS Print have been added and are changing frequently.

Design Script Files (June 2015)
Added design fence scaling (3 custom linestyles) for feature files, 50 and 20 scale .

Seed Files (March 2012)
MicroStation Seed files have changed; we added Geo Coordinate data.

Cell Libraries (March 2012)
Most of the Cell Libraries maintained by Roadway Design have changed.

Reference Border Files (March 2012)
Reference Border files have changed; we updated the file, date and scale info (text) on the left side of the sheets, for all Divisions.

XML Files for GPK Tangent and Border Sheet Apps (March 2012)
XML files have changed for GPK Tangents and Reference Border Sheets; Bridge border sheet & XML was added.

Workspace (March 2012)
Variables have been added for MS Print functionality. Added a workspace_ss2 folder in preparation for MicroStation SS-2.

Workspace (June 2015)
Workspace SS3 is no longer valid. Use Workspace SS4.

Resource (March 2012)
New 31 inch guardrail line style was set to "single segment". This was corrected. (desline.rsc). The PDF document for Level Names and Level Numbers has been updated. New dgnlib files have been created for MS Print – Print Organizer Print Set files. Roadway, Bridge and Right of Way will now be in separate files. Created a new Overhead Sign Support, line style, for Photogrammetry. (desline.rsc). Added a button for the Overhead Sign, to the ndor_roadway_topog_menu.dgnlib file.

Engrapps/XML Files for GPK Tangent and Border Sheet Apps (April 2013)
Path changed C:\Drive instead of server.

Cells (April 2013)
Updated.

Cells (May 2015)
Changed the revision number in the cells that would be effected by the Standard Plans that were revised in the July letting.

Plan 301-R10 now 301-R11

Plan 307-R1 now 307-R2

Plan 308-R1 now 308-R2

Color (April 2013)
Updated.

Config Files(April 2013)
Places configuration files in specific locations.

Config Files(May 2015)
We now use one configuration file for MicroStation and PowerGeopak. NDOR_PowerGeopak.cfg is placed in the \config\appl\ folder.

Config Files(June 2015)
Added two variable paths:

CIVIL_CIVILTMDGNLIBLIST > $(NDOR_OpenRoads)/dgnlib/NDOR_Design_Graphical_Filter_Definitions.dgnlib

CIVIL_CIVILTMDGNLIBLIST > $(NDOR_OpenRoads)/dgnlib/NDOR_Survey_Graphical_Filter_Definitions.dgnlib

Pentables (April 2013)
Updated.

User Pref (April 2013)
Updated.

Workspace_SS3 (April 2013) MODIFIED
Variables have been added for MS Print functionality. Added a workspace_ss3 folder in preparation for MicroStation SS-3. Updated.

Resource (April 2013)
New dgnlib files.

Topo Labeler (April 2013)…NEW

The Topography Labeler application has been rewritten by Bentley Systems for use in MicroStation V8i. It is used to place station and offset text in a MicroStation dgn file, labeling surveyed utility features.

Pltcfg (April 2013)…NEW

MS PLOT Config\Print Organizer.

fkey (April 2013)…NEW

Function Key menu was added.

Resource (Sep 2013)

Updated dgnlib files…..asbuilt_menu, ndor_bridge_design_menu, ndor_roadway_design_menu_ss3, ndor_row_design_menu_ss3, ndor_levels.

Color (Sep 2013)

Changed color table to tbl from ctb.

Pentables (Sep 2013)

Updated ROW pentables.

Macros (Sep 2013)

Added folder for batch processing.

Engrapps (Sep 2013)

Modified sheet settings.xml, Changed default logical name to "border", added .xml file for bridge sheets.

Dgn (Sep 2013)

Border files- added "border" as the default logical name.

Cell (Sep 2013)

Roadway- end_treatments_plan.cel – Updated.

Maintenance update (March 2015)

Many small changes made, cleaned up the self-extracting compressed files.

Sept 30 2013- ALL individual MicroStation Files were reformatted and reposted; A file was added for ALL of the MicroStation SS3 at once. The DGN Coordinates file has been eliminated.

Geopak

V8i ddb has been changed to remove the test alignments (12-02-2011)
The previous ddb on the website had items for Mainline Test & Mainline Test 1 in the Alignment folder. These items have been removed and a new ddb has been placed on the website. The download all and DDB links have been updated.

The criteria files have been changed to look for the v8i ddb (12-02-2011)
The criteria files dgn_variables.x & msc_row.bx have been updated to look for the NDOR_v8i.ddb file instead of the NDOR_v8.ddb. The download all and typical section generator links have been updated.

V8i ddb has been changed to remove the test alignments (12-12-2011)
The previous ddb dated 12-02-2011 did not have the correct Item ID to run some of the criteria typicals. These items have been updated and a new ddb has been placed on the website. The download all and DDB links have been updated.

The criteria files have been changed to look for the v8i ddb (12-12-2011)
The criteria files dgn_variables.x & msc_row.bx have been updated to look for the Item ID's in the NDOR_v8i.ddb. The download all and typical section generator links have been updated.

CrossSectionSheets.xssl file has been changed (2-29-2011)
The xssl file will now create 40 20 long and tall sheets with the proper border sheets.

Criteria files pgrade_d.x and pgrade.x have been changed (9-3-2013)
A minor change was made to the logic to enable the criteria file to run on cross sections cut from a model created from the NDOR Roadway Designer Template library.

NDOR_Corridor_V8i.ddb has been changed (9-3-2013)
New items were added as the template library was developed. See the revision history document located in that folder for specifics.

NDOR_Corridor_V8i.xin has been changed (9-3-2013)
New items were added as the template library was developed. See the revision history document located in that folder for specifics.

NDOR_Templates.itl has been added (9-3-2013)
This new file contains the NDOR corporate templates to be used with Roadway Designer.

A folder called Template_Documents has been added (9-3-2013)
This new folder contains the initial documentation for the new NDOR template library to be used with Roadway Designer.

Maintenance update (March 2015)

Overlay templates, overlay components and Overlay linear templates were redesigned to make them simpler for the user to modify. Many other small changes that are too numerous to list.

NDOR Geopak Legacy Files(June 2015)

06.23.2015 – Limits_U.x – (TLS)

Fixed a small typo that was making all labels say "Lt" even when they were on the right.

04.24.2015 – XsecPaveAnnotate.x and criteria.ctl – (TLS)

Added new typical that will annotate the pavement drawn in the cross sections.

04.24.2015 – Limits_U.x and Limits D.x– (TLS)

Added logic to handle ditch bottoms that are more than one segment. OpenRoads creates ditches that are two segments instead of one. This fix takes this into account, it will work for both one segment and two.

04.24.2015 – Limits_U.x and Limits D.x – (TLS)

Added code that will allow the user to annotate the cross sections at the same time that the slope stake book is being created.

NDOR ITL (NDOR_Templates.itl)(June 2015)

05.28.15 - NDOR_Templates.itl - (SMD)

Modified Existing Pavement and Existing Shoulder points in the Existing Pavement and Overlay Templates. Applied Do Not Construct feature definition to all affected points.

05.27.15 - NDOR_Templates.itl - (SMD)

Modified Foundation Course points in the DR3, DR4, DR5 and DR6 Template. Applied Foundation Course feature definition to the right side of each template.

05.11.15 - NDOR_Templates.itl - (SMD)

Added Ditch Bottom Template to Library.

4.28.2015 - NDOR_Templates.itl - (TLS)

Changed the EX_PVMT-PCL-TOP point on the Overlay Templates Mill Uniform Depth, Mill Uniform Depth Pavement Only, With Surfaced Shoulders, With Trench Widening and With Trench Widening and New Surfaced Shoulders to a feature definition of NONE to match the rest of the templates. Changed the LT-EX_PVMT-EOP-TOP on the Overlay Template Mill Uniform Depth Pavement Only to a feature definition of NONE to match the rest of the templates.

4.07.2015 - NDOR_Templates.itl - (TLS)

Changed the constraints on the curb components to allow the curb height to taper correctly. Added Pavement Depth, Pavement Auxiliary Slope and Curb Height Parametric Constraints to all curbs.

OpenRoads Report Browser(June 2015)
04.07.2015 – changed file name - (SMD)

Added new files and updated old files for version 08.11.09.79 for PowerGeopak. There are generally no changes to style sheets between versions, so taking them from SS3 to SS4 is OK.

Kevin R. McDonald, P.E. Bentley Systems.

NDOR OpenRoads DGNLIBs(June 2015)
06/23/2015 (TLS for SMD) NDOR_Design Graphical Filter Definitions_dgnlib

Added this file

NDOR OpenRoads Standards (July 2015)

07.02.2015 – 101_R6_OpenRoads.sep 102_R1_OpenRoads.sep 104_R4_OpenRoads.sep 108_R4_OpenRoads.sep 109_R2_OpenRoads.sep 101_R6_OpenRoads.sep - (TLS)

The following variables where changed in the files listed above.

	Old	New
eMethod =	E_AASHTO_METHOD_5	E_RADIUS_TABLE
eTableName =	english_2011_AASHTO_V_e.csv	english_2011_radiusTable_e.csv
radiusInterpolation =	E_LINEAR	E_CONSERVATIVE_ENTRY

NDOR OpenRoads Template Library (July 2015)

07.31.15 - NDOR_Templates.itl - (TLS)

Modified two overlay templates in the **Mill Uniform Depth folder**, **With Trench Widening** and **With Trench Widening and New Surfaced Shoulders**. The label "Milling Depth" was being used in the trenches as a negative value and in the milling component as a positive value. This caused a conflict when the value was changed by using a parametric constraint. The label in the trench is now called "Milling Depth-Trench" and the label in the milling component is now called "Milling Depth-Pavement".

Planimetric Guidelines

none

Design Documentation

Lighting Details has been updated (6-07-2012)
Item #42 was added to the misc dgn file.

Lighting Details has been updated (7-25-2012)
Miscellaneous changes made by Ernie Voss.

Lighting Details has been updated (9-10-2012)
Detail 44 was added into 9elecdetmisc.dgn file

Lighting Details has been updated (10-01-2012)
The following changes were to lighting plan 9lelcdet4.dgn …
A Rebar Bending Diagram was added to Details 3 thru 8.
And all rebar and concrete quantities were checked and updated.
If you have any questions on these details please contact
Ernie Voss - Engineering Unit Supervisor - Roadway Design Division
402-479-4695

Lighting Details has been updated (01-28-2013)

Ernie added to a detail on the file 9elecdet5.dgn page 1 of 4 detail 5
All the text below this detail is new.
If you have any questions on these details please contact …
Ernie Voss - Engineering Unit Supervisor - Roadway Design Division
402-479-4695

Lighting Details has been updated (03-08-2013)
A third wire was added to every wire, except details 15, 17 and 18.
Detail 42 – the text was updated.
If you have any questions on these details please contact …
Ernie Voss - Engineering Unit Supervisor - Roadway Design Division
402-479-4695

Lighting Details has been updated (04-22-2013)
The following changes were to lighting plan 9lelcdet5.dgn …
Detail 1 – was updated.

Under acceptable luminaire a #4 was added.
If you have any questions on these details please contact …
Ernie Voss - Engineering Unit Supervisor - Roadway Design Division
402-479-4695

Lighting Details has been updated (11-26-2014)

The following changes were to lighting plan 9lelcdet4.dgn …
The bolt circle diameter was changed on Details 1, 2, 3 & 6.
If you have any questions on these details please contact …
Ernie Voss - Engineering Unit Supervisor - Roadway Design Division
402-479-4695

Lighting Details has been updated (01-16-2015)

There were updates made to the following files:
9elecdet1.dgn, 9elecdet2.dgn & 9elecdetmisc.dgn
The change that was made was:
New Manufacturer was added for Lighting Controller.
If you have any questions on these details please contact …
Ernie Voss - Engineering Unit Supervisor - Roadway Design Division
402-479-4695

MS Print/Organizer Documents (04-17-2013) NEW

User Documentation.

Level Names (04-17-2013) NEW

Listing Documentation.

Config ReadMe Document (04-17-2013) NEW

Technical Documentation.

Read Me First File (March 2015)
This file was re written to clarify many steps.

NDOR Custom Applications

NDOR Custom Applications (5-24-2012)

Box&Leader, Culvert, GPK Tangent, and Sheets applications have been changed to include the XML files that are needed to use the applications.

NDOR Custom Applications (4-15-2013)

Earthwork application has been changed to run by using Task menu buttons, to initiate program, with either 32-bit or 64-bit machines. Also ability to choose multiple soil types.

NDOR Custom Applications (4-17-2014)

GPK Tangent runs with Geopak SS2 & SS3.

NDOR Custom Applications (8-01-2014)

The GPK Tangent program has been fixed to draw SCS tangent lines correctly into the DGN file.

NDOR Custom Applications (5-29-2015)

Updated contact information on individual readme documents.